

Pcr/09 DW

Serial Number:

09/787,192

CRF Processing Date:

8/30/2001

Edited by:

Verified by:

(STIC sta

☐

Changed a file from non-ASCII to ASCII

ENTERED☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

#4

☐

Edited a format error in the Current Application Data section, specifically:

☐Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☒Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filenam at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____☐

Inserted mandatory headings, specifically: _____

☐

Corrected an obvious error in the response, specifically:

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically:

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____☐

Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/787,192

DATE: 08/30/2001

TIME: 13:37:02

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08302001\I787192.raw

2 <110> APPLICANT: Schering Corporation
 4 <120> TITLE OF INVENTION: Antibodies to Mammalian Langerhans Cell Antigen and Their
 Uses
 6 <130> FILE REFERENCE: SF0820K2 PCT
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/787,192
 C--> 9 <141> CURRENT FILING DATE: 2001-07-09
 11 <150> PRIOR APPLICATION NUMBER: EP 99 400 394.5
 12 <151> PRIOR FILING DATE: 1999-02-18
 14 <150> PRIOR APPLICATION NUMBER: EP 98 402 374.7
 15 <151> PRIOR FILING DATE: 1998-09-25
 17 <160> NUMBER OF SEQ ID NOS: 11
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1547
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
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 26 <222> LOCATION: (56)..(1039)
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 31 1
 33 act gtg gag aag gag gcc cct gat gcg cac ttc act gtg gac aaa cag 106
 34 Thr Val Glu Lys Glu Ala Pro Asp Ala His Phe Thr Val Asp Lys Gln
 35 5 10 15
 37 aac atc tcc ctc tgg ccc cga gag cct cct ccc aag tcc ggt cca tct 154
 38 Asn Ile Ser Leu Trp Pro Arg Glu Pro Pro Pro Lys Ser Gly Pro Ser
 39 20 25 30
 41 ctg gtc ccg ggg aaa aca ccc aca gtc cgt gct gca tta atc tgc ctg 202
 42 Leu Val Pro Gly Lys Thr Pro Thr Val Arg Ala Ala Leu Ile Cys Leu
 43 35 40 45
 45 acg ctg gtc ctg gtc gcc tcc gtc ctg ctg cag gcc gtc ctt tat ccc 250
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 47 50 55 60 65
 49 cgg ttt atg ggc acc ata tca gat gta aag acc aat gtc cag ttg ctg 298
 50 Arg Phe Met Gly Thr Ile Ser Asp Val Lys Thr Asn Val Gln Leu Leu
 51 70 75 80
 53 aaa ggt cgt gtg gac aac atc agc acc ctg gat tct gaa att aaa aag 346
 54 Lys Gly Arg Val Asp Asn Ile Ser Thr Leu Asp Ser Glu Ile Lys Lys
 55 85 90 95
 57 aat agt gac ggc atg gag gca gct ggc gtt cag atc cag atg gtg aat 394
 58 Asn Ser Asp Gly Met Glu Ala Ala Gly Val Gln Ile Gln Met Val Asn
 59 100 105 110
 61 gag agc ctg ggt tat gtg cgt tct cag ttc ctg aag tta aaa acc agt 442
 62 Glu Ser Leu Gly Tyr Val Arg Ser Gln Phe Leu Lys Leu Lys Thr Ser
 63 115 120 125
 65 gtg gag aag gcc aac gca cag atc cag atc tta aca aga agt tgg gaa 490
 66 Val Glu Lys Ala Asn Ala Gln Ile Gln Ile Leu Thr Arg Ser Trp Glu

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/787,192

DATE: 08/30/2001

TIME: 13:37:02

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Output Set: N:\CRF3\08302001\I787192.raw

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71          150          155          160
73 gag aaa gcc agt gct tta aat aca aag atc cgg gca ctc cag ggc agc      586
74 Glu Lys Ala Ser Ala Leu Asn Thr Lys Ile Arg Ala Leu Gln Gly Ser
75          165          170          175
77 ttg gag aat atg agc aag ttg ctc aaa cga caa aat gat att cta cag      634
78 Leu Glu Asn Met Ser Lys Leu Leu Lys Arg Gln Asn Asp Ile Leu Gln
79          180          185          190
81 gtg gtt tct caa ggc tgg aag tac ttc aag ggg aac ttc tat tac ttt      682
82 Val Val Ser Gln Gly Trp Lys Tyr Phe Lys Gly Asn Phe Tyr Tyr Phe
83          195          200          205
85 tct ctc att cca aag acc tgg tat agt gcc gag cag ttc tgt gtg tcc      730
86 Ser Leu Ile Pro Lys Thr Trp Tyr Ser Ala Glu Gln Phe Cys Val Ser
87 210          215          220          225
89 agg aat tca cac ctg acc tcg gtg acc tca gag agt gag cag gag ttt      778
90 Arg Asn Ser His Leu Thr Ser Val Thr Ser Glu Ser Glu Gln Glu Phe
91          230          235          240
93 ctg tat aaa aca gcg ggg gga ctc atc tac tgg att ggc ctg act aaa      826
94 Leu Tyr Lys Thr Ala Gly Gly Leu Ile Tyr Trp Ile Gly Leu Thr Lys
95          245          250          255
97 gca ggg atg gaa ggg gac tgg tcc tgg gtg gat gac acg cca ttc aac      874
98 Ala Gly Met Glu Gly Asp Trp Ser Trp Val Asp Asp Thr Pro Phe Asn
99          260          265          270
101 aag gtc caa agt gcg agg ttc tgg att cca ggt gag ccc aac aat gct      922
102 Lys Val Gln Ser Ala Arg Phe Trp Ile Pro Gly Glu Pro Asn Asn Ala
103          275          280          285
105 ggg aac aat gaa cac tgt ggc aat ata aag gct ccc tca ctt cag gcc      970
106 Gly Asn Asn Glu His Cys Gly Asn Ile Lys Ala Pro Ser Leu Gln Ala
107 290          295          300          305
109 tgg aat gat gcc cca tgt gac aaa acg ttt ctt ttc att tgt aag cga      1018
110 Trp Asn Asp Ala Pro Cys Asp Lys Thr Phe Leu Phe Ile Cys Lys Arg
111          310          315          320
113 ccc tat gtc cca tca gaa ccg tga c aggacaggct cccaagctca      1063
114 Pro Tyr Val Pro Ser Glu Pro
115          325
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129 catccagggc ttttcttggc caaaccocct agaatttcca tgtctctgct tagctgtgct      1483
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138 <212> TYPE: PRT

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148 Ser Leu Val Pro Gly Lys Thr Pro Thr Val Arg Ala Ala Leu Ile Cys
149           35           40           45
151 Leu Thr Leu Val Leu Val Ala Ser Val Leu Leu Gln Ala Val Leu Tyr
152           50           55           60
154 Pro Arg Phe Met Gly Thr Ile Ser Asp Val Lys Thr Asn Val Gln Leu
155   65           70           75           80
157 Leu Lys Gly Arg Val Asp Asn Ile Ser Thr Leu Asp Ser Glu Ile Lys
158           85           90           95
160 Lys Asn Ser Asp Gly Met Glu Ala Ala Gly Val Gln Ile Gln Met Val
161           100          105          110
163 Asn Glu Ser Leu Gly Tyr Val Arg Ser Gln Phe Leu Lys Leu Lys Thr
164           115          120          125
166 Ser Val Glu Lys Ala Asn Ala Gln Ile Gln Ile Leu Thr Arg Ser Trp
167           130          135          140
169 Glu Glu Val Ser Thr Leu Asn Ala Gln Ile Pro Glu Leu Lys Ser Asp
170 145          150          155          160
172 Leu Glu Lys Ala Ser Ala Leu Asn Thr Lys Ile Arg Ala Leu Gln Gly
173           165          170          175
175 Ser Leu Glu Asn Met Ser Lys Leu Leu Lys Arg Gln Asn Asp Ile Leu
176           180          185          190
178 Gln Val Val Ser Gln Gly Trp Lys Tyr Phe Lys Gly Asn Phe Tyr Tyr
179           195          200          205
181 Phe Ser Leu Ile Pro Lys Thr Trp Tyr Ser Ala Glu Gln Phe Cys Val
182           210          215          220
184 Ser Arg Asn Ser His Leu Thr Ser Val Thr Ser Glu Ser Glu Gln Glu
185 225          230          235          240
187 Phe Leu Tyr Lys Thr Ala Gly Gly Leu Ile Tyr Trp Ile Gly Leu Thr
188           245          250          255
190 Lys Ala Gly Met Glu Gly Asp Trp Ser Trp Val Asp Asp Thr Pro Phe
191           260          265          270
193 Asn Lys Val Gln Ser Ala Arg Phe Trp Ile Pro Gly Glu Pro Asn Asn
194           275          280          285
196 Ala Gly Asn Asn Glu His Cys Gly Asn Ile Lys Ala Pro Ser Leu Gln
197           290          295          300
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203           325
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209 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING

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226	accaatgaga	gggcatctgg	ggggctctat	aaagtataac	tcataccaca	aaccagcaga	900
227	gaaaacccaa	cttctgacc	gagcggaaat	ggacaagaca	cttcccaggc	acactgtgtg	960
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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/787,192

DATE: 08/30/2001
 TIME: 13:37:02

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08302001\I787192.raw

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/787,192

DATE: 08/30/2001

TIME: 13:37:03

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Output Set: N:\CRF3\08302001\I787192.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date